

Title (en)

Channel waveguide modulator.

Title (de)

Kanalwellenleitermodulator.

Title (fr)

Modulateur à guide d'ondes en forme de sillon.

Publication

EP 0288778 A2 19881102 (EN)

Application

EP 88105318 A 19880401

Priority

US 4319087 A 19870427

Abstract (en)

An optical modulator comprises a crystal whose top surface includes an channel waveguide (12, 22) whose axis makes an angle with the crystal optic axis larger than the critical angle for TE-polarized leaky mode propagation. An electrode structure (13, 23, 24) overlies the top surface of the crystal for inducing mode conversion of TM-polarized waves propagating in the waveguide to lossy radiation modes.

IPC 1-7

G02B 6/12; **G02F 1/01**; **G02F 1/03**

IPC 8 full level

G02F 1/035 (2006.01); **G02F 1/01** (2006.01)

CPC (source: EP US)

G02F 1/035 (2013.01 - EP US); **G02F 1/0142** (2021.01 - EP US); **G02F 2201/066** (2013.01 - EP US)

Designated contracting state (EPC)

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